

DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

×	Original		Supplemental		Substitute
As a	below named inventor, I here	by d	eclare that:		
My r	esidence, post office address	and	citizenship are as stated below next to	my r	name, and
and		e nar	le inventor (if only one name is listed ne is listed below) of the subject matte on the invention entitled		
Enh	ancing the effect of radioim	mun	otherapy in the treatment of tumors	;	•
the s	specification of which:				
	is attached hereto.				
	was filed on (day	//mor	as Application No.		
	and, if this box (□) contain	s an	×		•
	□ was amended on	(da	ay/month/year)		
×	was filed as Patent Cooper	atior	Treaty international Application No.		
	PCT/IB03/03257		on <u>17/07/2003</u> (day/month/year)		
	and, if this box (\square) contain	s an	×		
	entered the national	al sta	ge in the United States and was acco	rded .	Application No.
	and, if this box (□) contain	s an	×		

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

was amended, subsequent to entry into the national stage, on

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

(day/month/year)

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	F	PRIORIT	TY CLA	IMED
				Yes		No
				Yes		No
				Yes		No
				Yes		No
				Yes		No
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:						
APPLICATION NO.		FILING DATE (day/month/year)				
60/397347		19.07.2002				

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (\square) contains an x \boxtimes , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Janina BARANOWSKA-KORTYLEWICZ		
Inventor's signature	John	Date <u>X</u>	2-13-06 (day/month/year)
Residence	Omaha, USA		
Citizenship	Poland		
Post Office Address	5 South 51st Avenue Omaha, Nebraska, 68132-3535 USA		
Full name of second joint inventor, if any	Takashi KURIZAKI		
Inventor's signature		Date -	(day/month/year)
Residence	Kumamoto, Japan		
Citizenship	Japan	•	
Post Office Address	19125 Yamada Tamana City, Kumamoto, 8650066 Japan		

Full name of third joint inventor, if any	Michio ABE		
Inventor's signature		Date	
			(day/month/year)
Residence	Omaha, USA		
Citizenship	Japan		
Post Office Address	9324 Cumming PLZ 12C Omaha, NE 68132 USA		
Full name of fourth joint inventor, if any	Arne OSTMAN		
Inventor's signature		Date	
		_	(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Bellmansgatan 58 75426 Uppsala Sweden		
Full name of fifth joint inventor, if any	Kristian PIETRAS		
Inventor's signature		Date	
		_	(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Tegnergatan 31 C 752 26 Uppsala		







DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

⊠ Ori	ginal	☐ Supplemental	☐ Substitute
	elow named inventor, I here	•	ated below next to my name, and
I believe	ve I am the original, first an	d sole inventor (if only or e name is listed below) of	ne name is listed below) or an original, first f the subject matter which is claimed and for
Enhan	cing the effect of radioim	munotherapy in the trea	atment of tumors
the spe	ecification of which:		
	is attached hereto.		
	was filed on (day	as Applica n/month/year)	ation No.
	and, if this box (□) contain	s an 🗴	
	□ was amended on	(day/month/year)	·
×	was filed as Patent Cooper	ation Treaty international	l Application No.
-	PCT/IB03/03257	on 17/07/200 (day/month/y	
	and, if this box (□) contain	s an 🗴	
	☐ entered the national	al stage in the United Sta	ates and was accorded Application No.
	and, if this box (□) contain	s an 😕	
	☐ was amended, sub	sequent to entry into the	national stage, on
			(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification. including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

		r		
COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORIT	Y CLAIMED
			Yes	□ No
			☐ Yes	□ No
•			☐ Yes	□ No
			☐ Yes	□ No
			☐ Yes	□ No

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

APPLICATION NO.	FILING DATE
·	(day/month/year)

60/397347

19.07.2002

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No. and Filing I	
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (\square) contains an x \boxtimes , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Janina BARANOWSKA-KORTYLEWICZ		•
Inventor's signature		Date -	(day/month/year)
Residence ¹	Omaha, USA		
Citizenship	Poland		
Post Office Address	5 South 51st Avenue Omaha, Nebraska, 68132-3535 USA		
Full name of second joint inventor, if any	Takashi KURIZAKI	•	
Inventor's signature	Takashi Hurizaki	Date -	0 / 0 2 / 200 5 (day/month/year)
			(day/mondi/year)
Residence	Kumamoto, Japan		
Citizenship	Japan		
Post Office Address	19125 Yamada Tamana City, Kumamoto, 8650066 Japan		

Full name of third joint inventor, if any	Michio ABE		
Inventor's signature	Michio abe	Date _	7 / 2 / 2 o o 5 (day/month/year)
Residence	Omaha, USA		
Citizenship	Japan	•	
Post Office Address	9324 Cumming PLZ 12C Omaha, NE 68132 USA		
*			
Full name of fourth joint inventor, if any	Arne OSTMAN		
Inventor's signature	Φ	Date	
			(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Bellmansgatan 58 75426 Uppsala Sweden		
·			:
Full name of fifth joint inventor, if any	Kristian PIETRAS		
Inventor's signature		Date _	
			(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Tegnergatan 31 C 752 26 Uppsala Sweden		•

US Case ON/4-32590A OIPE PROPERTY OF THE PROPE

☑ Original

DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

□ Substitute

☐ Supplemental

As a b	elow named inventor, I hereby declare that:	
My res	idence, post office address and citizenship are as stated below next to my	name, and
and joi	ve I am the original, first and sole inventor (if only one name is listed belo nt inventor (if more than one name is listed below) of the subject matter wha United States patent is sought on the invention entitled	
Enhan	cing the effect of radioimmunotherapy in the treatment of tumors	
the sp	ecification of which:	
	is attached hereto.	
	was filed on as Application No. (day/month/year)	
	and, if this box (□) contains an ×	
	was amended on (day/month/year)	
×	was filed as Patent Cooperation Treaty international Application No.	
	PCT/IB03/03257 on 17/07/2003 (day/month/year)	
	and, if this box (□) contains an ×	
	entered the national stage in the United States and was accorded	Application No.
	and, if this box (□) contains an ×	
	was amended, subsequent to entry into the national stage, on	
	-	(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	PRIORITY CLAIME		IMED	
				Yes		No
				Yes		No
				Yes		No
				Yes		No
				Yes		No
I hereby claim the benefit below:	t under 35 U.S.C. 119(e) o	f any United States provi	siona	al appli	cation(s) listed
APPLICATION NO.		FILING DATE (day/month/year)				

60/397347 19.07.2002

United States	United States	Status (Pending,	International	
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date
	(day/month/year)	Patent No.)		(day/month/year)

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (\square) contains an x \boxtimes , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Janina BARANOWSKA-KORTYLEWICZ		
Inventor's signature		Date -	(day/month/year)
Residence	Omaha, USA		
Citizenship	Poland		
Post Office Address	5 South 51st Avenue Omaha, Nebraska, 68132-3535 USA		
Full name of second joint inventor, if any	Takashi KURIZAKI		
Inventor's signature		Date .	(day/month/year)
Residence	Kumamoto, Japan		
Citizenship	Japan		
Post Office Address	19125 Yamada Tamana City, Kumamoto, 8650066 Japan		

Full name of third joint inventor, if any	Michio ABE		
Inventor's signature		Date	(doube and house)
			(day/month/year)
Residence	Omaha, USA		
Citizenship	Japan		
Post Office Address	9324 Cumming PLZ 12C Omaha, NE 68132 USA		
Full name of fourth joint inventor, if any	Arne OSTMAN		
Inventor's signature	A	Date	(day/month/year)
Residence	Uppsala, Sweden		<i>;</i>
Citizenship	Sweden		\
Post Office Address	Bellmansgatan 58 75426 Uppsala Sweden		
			/
Full name of fifth joint inventor, if any	Kristian PIETRAS		
Inventor's signature		Date	
-			(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Tegnergatan 31 C 752 26 Uppsala Sweden		





DECLARATION AND POWER OF ATTORNEY FOR UNITED STATES PATENT APPLICATION

X	Original		Supplemental		Substitute
Δες	ı below named inventor, I here	aby d	eclare that:		
		-			
			citizenship are as stated below next to	-	
and		e nai	le inventor (if only one name is listed me is listed below) of the subject matte on the invention entitled		
Enh	ancing the effect of radioim	mun	otherapy in the treatment of tumors	;	
he s	specification of which:				
	is attached hereto.		- A-		
3	was filed on (da	y/mo	as Application No		
	and, if this box (□) contain	ns an	x .		
	was amended on				
		(da	ay/month/year)		
×	was filed as Patent Coope	ratio	n Treaty international Application No.		
	PCT/IB03/03257		on 17/07/2003		
	•		(day/month/year)		
	and, if this box (□) contair	ns an	×		
	☐ entered the nation	al sta	age in the United States and was accor	rded	Application No.
					,
	and, if this box (□) contain	ns an	<u> </u>		
	_				
	⊔ was amenueu, sui	o c q!	uent to entry into the national stage, on	' -	(day/month/year)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) specifically referred to above and, if this application was filed as a Patent Cooperation Treaty international application, by any amendments made during the international stage (including any made under Patent Cooperation Treaty Rule 91, Article 19 and Article 34).

I acknowledge my duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or Patent Cooperation Treaty international filing date of the continuation-in-part application.

COUNTRY/REGION (OR P.C.T.)	APPLICATION No.	FILING DATE (day/month/year)	Р	RIORIT	Y CLA	IMED
				Yes		No
				Yes		No
				Yes		No
				Yes		No
				Yes		No
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:						
APPLICATION NO.		FILING DATE				

60/397347 19.07.2002

United States	United States	Status (Pending,	International		l
Application No.	Filing Date	Abandoned or U.S.	Application No.	and Filing Date	
	(day/month/year)	Patent No.)		(day/month/year)	ı

US

I hereby appoint all of the registered practitioners associated with Customer No. 001095, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

If this box (\square) contains an x \boxtimes , I hereby authorize the registered practitioners associated with Customer No. 001095 and any others acting on my behalf to take any action relating to this application based on communications from Corporate Intellectual Property of Novartis International AG, Basle, Switzerland, or an affiliate thereof or a successor thereto, without direct communication from me.

Please send all correspondence relating to this application to the address associated with Customer No. 001095.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor	Janina BARANOWSKA-KORTYLEWICZ		
Inventor's signature		Date	(day/month/year)
			(dayo.iiyou.)
Residence	Omaha, USA		
Citizenship	Poland		
Post Office Address	5 South 51st Avenue Omaha, Nebraska, 68132-3535 USA		
-			
Full name of second joint inventor, if any	Takashi KURIZAKI		
Inventor's signature		Date	
		-	(day/month/year)
Residence	Kumamoto, Japan		
Citizenship	Japan		
Post Office Address	19125 Yamada Tamana City, Kumamoto, 8650066 Japan		

Full name of third joint inventor, if any	Michio ABE		
Inventor's signature		Date _	(day/month/year)
			(day/monallycar)
Residence	Omaha, USA		
Citizenship	Japan		
Post Office Address	9324 Cumming PLZ 12C Omaha, NE 68132 USA		
Full name of fourth joint inventor, if any	Arne OSTMAN		
Inventor's signature		Date	
cc. c o.ga.a.c			(day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Bellmansgatan 58 75426 Uppsala Sweden		
Full name of fifth joint inventor, if any	Kristian PIETRAS		
Inventor's signature	6lD	Date	11/61/2005 (day/month/year)
Residence	Uppsala, Sweden		
Citizenship	Sweden		
Post Office Address	Tegnergatan 31 C 752 26 Uppsala		